

Replacement Abstract

An inductive flow meter for conductive liquids includes a flow channel, diametrically opposite measuring electrodes, and a magnetic field generating system generating a magnetic field in a direction substantially perpendicular to a connecting line between the measuring electrodes and perpendicular to the axis of the flow channel. Active surface structures are used to provide a desired shape to the magnetic field such that the magnetic field lines pass to a limited extent via the inner wall of the flow channel to improve measurement accuracy.